

Syllabus for Chemistry 103

Fall 2009

Tuesdays 2:00 – 2:50 pm, CNSB 145 (Prelab)

3:00 – 5:00 pm, CNSB 235 (Lab)

Instructor: Dr. Ralph Zehnder

E-mail: zehnder@ulm.edu

Office: CNSB 203

Phone: 318-342-1836

Office hours: MTWF: 11:00 AM - 12:30 PM, and at other times after requesting an appointment

Course Content:

The laboratory fundamentals of inorganic chemistry (3 hours)

Goals:

To gain a laboratory understanding of the fundamental laws, theories, and mathematical concepts of chemistry.

Requirements:

Be eligible for Math 110/111 or more advanced mathematics course.

Credit or registration in Chemistry 101

Required Materials:

Text: Laboratory Manual, available in ULM bookstore

Pencil (required) and Pen (optional)

Scientific Calculator (does not need to be graphing)

Drop policy: http://www.ulm.edu/chemistry/courses/drop_policy.html

Attendance:

Attendance policies in this course are based on the attendance policies as stated in the Students Handbook used by the University. Attendance is mandatory and is important to your success in this course. You need to bring a calculator to every lab. Cell phones must be turned off (NOT VIBRATE) to avoid disrupting learning for your fellow students and are forbidden. I want them out of sight.

If you miss a lab, you MUST notify me as soon as possible. When you notify me, a written report will be assigned. Only an absence which is **verifiable** and **valid** will be accepted as per the student handbook. The report will be a **minimum** of 5 typed pages, double spaced, Times New Roman font, and font size 12, with one inch margins (top, bottom, and sides). The report will consist of the theory behind the experiment (using at least 3 references, YOU MUST INCLUDE A CITATION PAGE) and a short description of the experiment and what results you would have

expected to obtain if you did the experiment. The report is due the next lab period. If the paper is not done, you will get a zero on the entire part of your lab grade for that lab.

If you miss a lab and you wait until the next week to talk to me, you will receive a ZERO.

NOTE: You must wear eye protection at all times while in the laboratory. Hats, shorts, skirts, bare midriffs and open-toed shoes are not allowed in the laboratory. Cell phones are not permitted. Failure to comply with these rules will result in you being ejected from the laboratory.

Academic Integrity:

Please see the ULM published policy on Academic Dishonesty at (<http://www.ulm.edu/studentpolicy/>)

We expect the highest standards of academic honesty. Violations of academic honesty include the following:

- Cheating: This includes seeks or giving unauthorized help on examinations, papers, and other academic assignments.
- Plagiarism: This is defined as using another's words or ideas and representing them as one's own either knowingly or unknowingly. In other words, by not documenting ideas or putting quotations around exact phrasing and documenting the source, one is committing plagiarism.
- Misconduct in the area of academic honesty is subject to disciplinary action, which can include failure for the assignment or even failure of the course.

Student services:

Information about ULM student services, such as Student Success Center (<http://www.ulm.edu/cass/>), Counseling Center (<http://ulm.edu/counselingcenter/>), Special Needs at (<http://www.ulm.edu/studentaffairs/>).

If you have special needs that I need to be made aware you should contact me within the first two days of class.

Preparedness:

It is necessary that you come to lab each week properly dressed and prepared for lab. If you fail to come to lab prepared you will be asked to leave and not given a make-up opportunity.

Evaluation:

12 Lab pre/post lab quizzes x 15 points	= 180 points
11 Lab accurate worksheets x 10 points	= 110 points (due at the end of each lab)
<u>11 Lab preparedness x 5</u>	<u>= 55 points (at the beginning of each lab, @2:00pm)</u>
TOTAL POINTS	= 345 Points

Scale:

90.000-100%	A	Minimum points of 310.5 out of 345
80.000-89.999%	B	Minimum points of 276.0 out of 345
70.000-79.999%	C	Minimum points of 241.5 out of 345
60.000-69.999%	D	Minimum points of 207.0 out of 345
<59.999%	F	Below 207.0 points

Grading

Tentative Laboratory Schedule

Date (week of)	Quiz	Experiment	Page #
8/25/09	None	Safety	
9/01/09	Q 1	Finding the Relationship: Graphing Analysis	147
9/08/09		NO LAB!!!	
9/15/09	Q 2	Measurements	11
9/22/09	Q 3	Chemical nomenclature	21
9/29/09	Q 4	Physical Properties Lab	43
10/06/09	Q 5	Chemical Change	87
10/13/09	Q 6	Counting by Weighing	123
10/20/09	Q 7	Molecular Geometry	139
10/27/09		NO LAB!!!	
11/03/09	Q 8	Gas Laws	31
11/10/09	Q 9	Hydrates	65
11/17/09	Q 10	Preparation of Acid and Base Solutions	97
11/24/09	Q 11	Acid-Base Titration Using Computers	159
12/01/09	Q 12	Checkout	

ALL information is tentative and subject to revision.